

**Quiz 2      Calculus 2      3/12/2014**

Each problem is worth 5 points. Clear and complete justification is required for full credit. Answers should be submitted in person to Jon before 5pm on the due date.

1. Consider the sequence  $a_n = \left\{ \frac{3}{n^2} \right\}_{n=1}^{\infty}$ . Find  $a_1, a_2, a_3,$  and  $a_4$  to 3 decimal places.

2. Consider the series  $\sum_{n=1}^{\infty} \frac{3}{n^2}$ . Find the partial sums  $s_1, s_2, s_3,$  and  $s_4$  to 3 decimal places.

